

CLAIMS:

1. A moisture-curing one-pack urethane adhesive composition comprising an isocyanate group-terminated urethane prepolymer as a main component, and

(1) a silane coupling agent and/or a polyisocyanate derivative of a silane coupling agent, as an adhesive promoter, and

(2) (a) 2,2'-dimorpholinodiethyl ether and/or di(2,6-dimethylmorpholinoethyl)ether, and (b) at least one tin-based catalyst selected from the group consisting of dibutyltin diacetylacetonate, dibutyltin dilaurate, dibutyltin diacetate, dibutyltin dimaleate, dioctyltin dilaurate and tin octanoate, as curing catalysts.

2. The moisture-curing one-pack urethane adhesive composition according to claim 1 in which a part of the isocyanate group-terminated urethane prepolymer is a hexamethylene diisocyanate derivative.

3. The moisture-curing one-pack urethane adhesive composition according to claim 2 in which the hexamethylene diisocyanate derivative is at least one compound selected from the group consisting of biuret derivatives, isocyanurate derivatives and trimethylolpropane derivatives.

4. The moisture-curing one-pack urethane adhesive composition according to claim 2 in which the hexamethylene diisocyanate derivative is present in an amount of 0.5 to 10% by weight, based on the adhesive composition as a whole.

5. The moisture-curing one-pack urethane adhesive composition according to claim 1 in which the adhesive promoter

is a silane coupling agent and the silane coupling agent is at least one compound selected from the group consisting of mercaptopropyltrimethoxysilane, mercaptopropylmethyl-dimethoxysilane, γ -N-phenylaminopropyltrimethoxysilane and γ -isocyanatopropyltrimethoxysilane.

6. The moisture-curing one-pack urethane adhesive composition according to claim 1 in which the adhesive promoter is a reaction product of a silane coupling agent with a hexamethylene diisocyanate derivative.

7. The moisture-curing one-pack urethane adhesive composition according to claim 1 in which the adhesive promoter is present in an amount of 0.1 to 5% by weight, the 2,2'-dimorpholinodiethyl ether and/or di(2,6-dimethyl-morpholinoethyl)ether is present in an amount of 0.05 to 2.0% by weight, and the tin-based catalyst is present in an amount of 0.0001 to 0.5% by weight, all the amounts being based on the adhesive composition as a whole.